

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636750

Luminaire Tested: GWS-SA4B-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14989.5 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

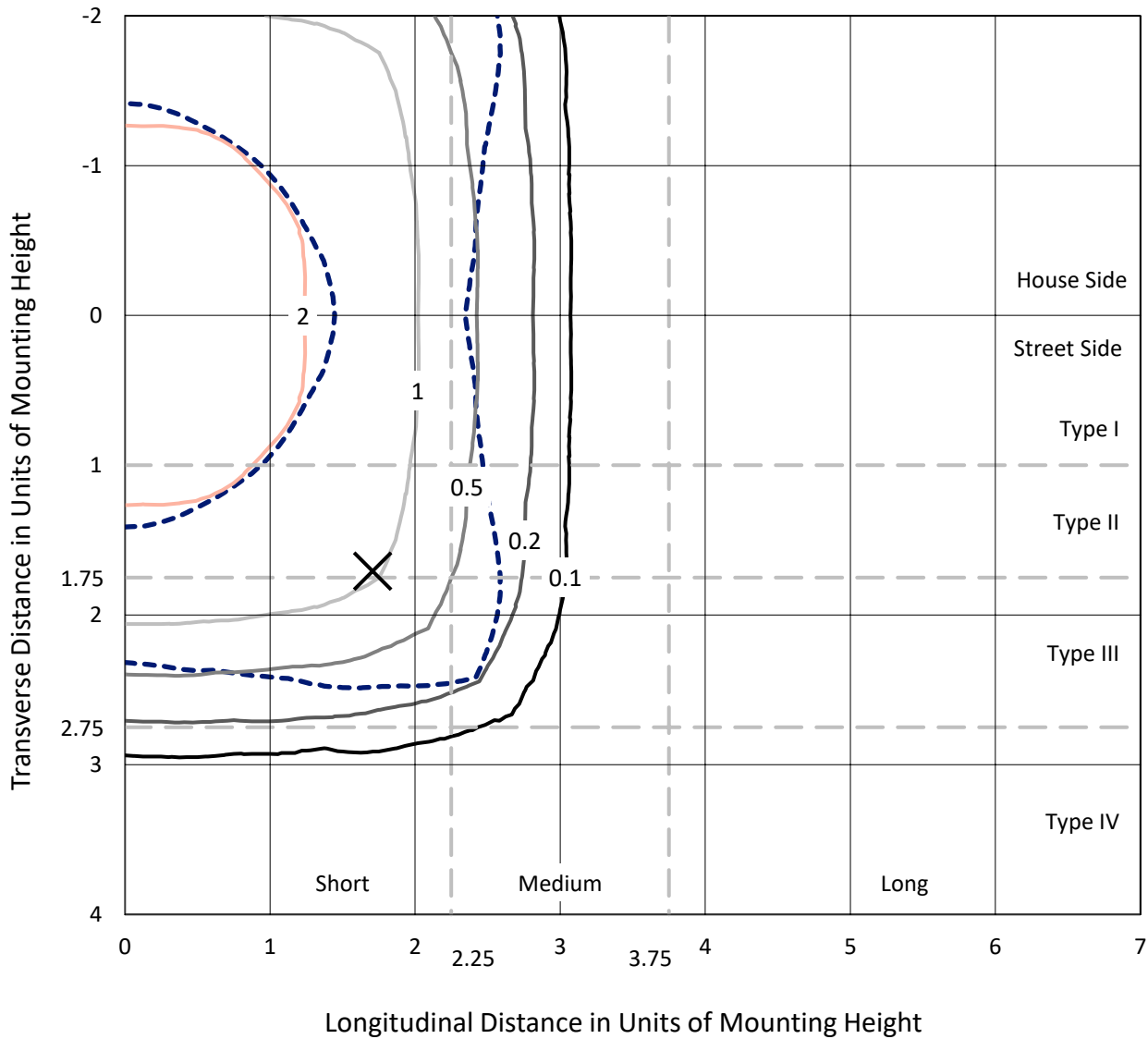
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

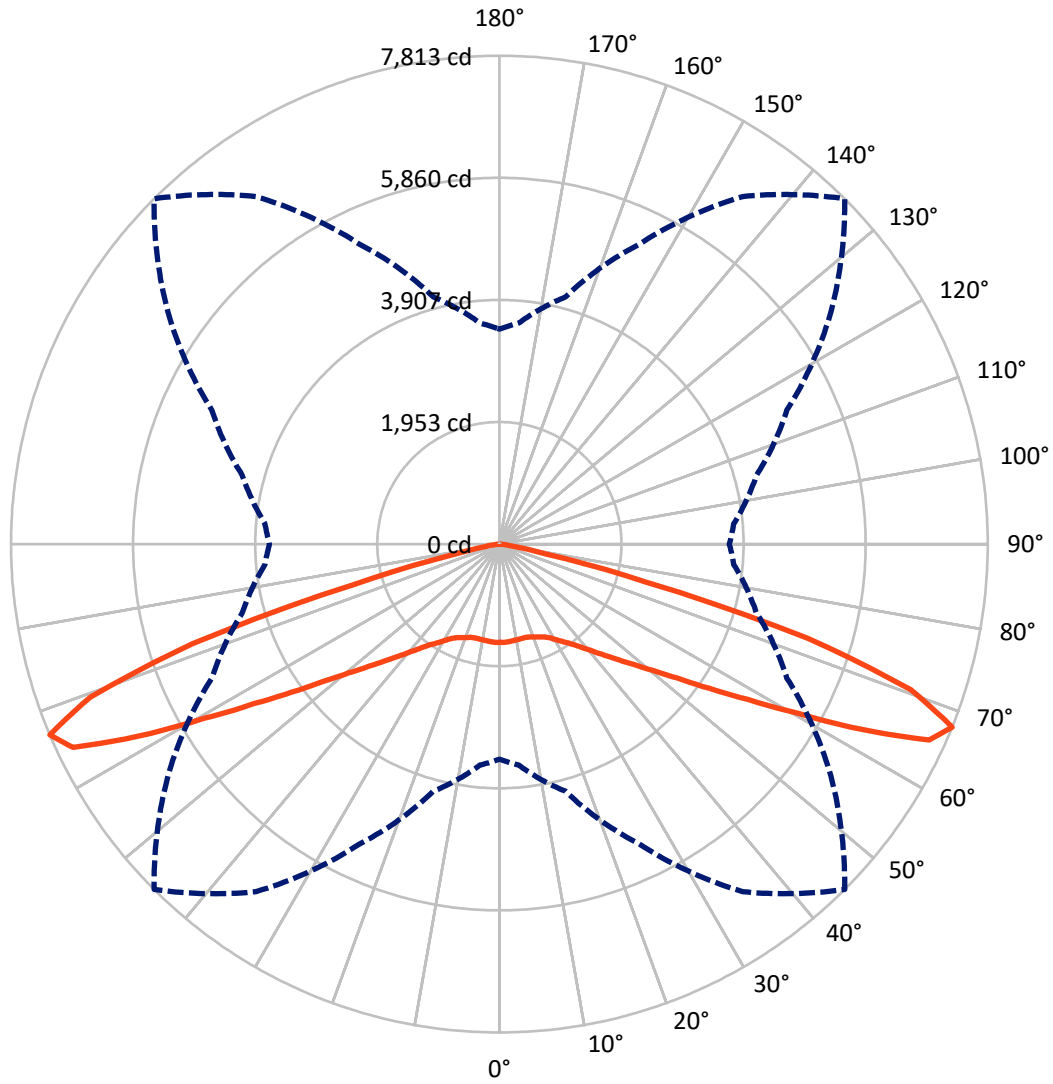
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7494.7	0.0	7494.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7494.7	0.0	7494.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14989.5	0.0	14989.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	1.0
10°-20°	436.4	2.9
20°-30°	752.7	5.0
30°-40°	1223.9	8.2
40°-50°	2060.8	13.7
50°-60°	3651.3	24.4
60°-70°	5219.3	34.8
70°-80°	1432.5	9.6
80°-90°	64.2	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14989.5	100.0
0°-180°	14989.5	100.0

Coefficient of Utilization

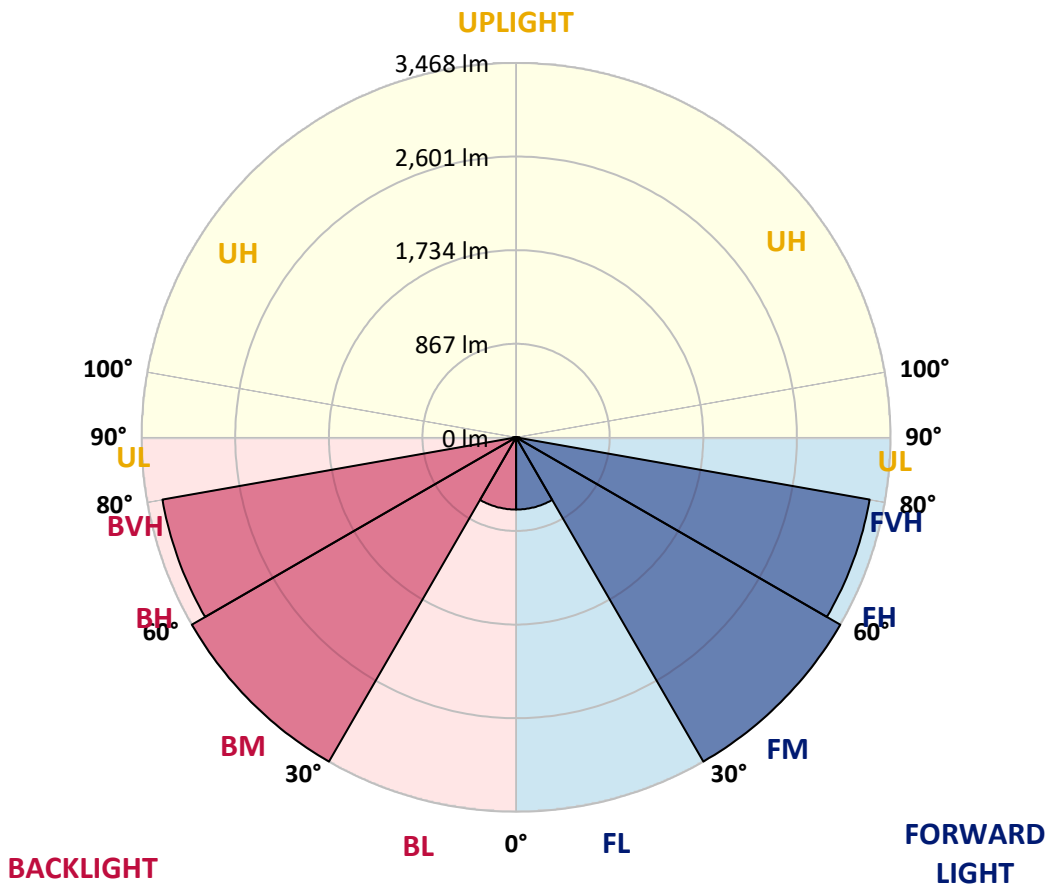


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.8	4.5			
FM (30°-60°)	3468.0	23.1			
FH (60°-80°)	3325.9	22.2			G2/5000
FVH (80°-90°)	32.1	0.2			G1/100
BL (0°-30°)	668.8	4.5	B2/1000		
BM (30°-60°)	3468.0	23.1	B3/5000		
BH (60°-80°)	3325.9	22.2	B4/5000		G2/5000
BVH (80°-90°)	32.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9	1569.9
2.5°	1559.5	1558.5	1563.7	1566.8	1565.7	1573.0	1572.0	1569.9	1569.9	1566.8	1575.1
5°	1559.5	1558.5	1562.6	1563.7	1561.6	1567.8	1565.7	1563.7	1563.7	1559.5	1566.8
7.5°	1551.2	1552.2	1555.4	1557.4	1555.4	1560.5	1557.4	1553.3	1552.2	1548.1	1555.4
10°	1535.6	1536.7	1539.8	1545.0	1546.0	1555.4	1550.2	1542.9	1539.8	1535.6	1542.9
12.5°	1526.3	1527.3	1530.5	1536.7	1538.8	1551.2	1546.0	1534.6	1529.4	1525.3	1532.5
15°	1524.2	1525.3	1529.4	1535.6	1538.8	1551.2	1546.0	1532.5	1525.3	1520.1	1526.3
17.5°	1524.2	1526.3	1532.5	1541.9	1548.1	1560.5	1554.3	1538.8	1528.4	1519.0	1525.3
20°	1525.3	1528.4	1537.7	1551.2	1566.8	1584.4	1576.1	1555.4	1540.8	1529.4	1533.6
22.5°	1534.6	1539.8	1551.2	1568.8	1591.7	1612.4	1605.2	1577.1	1556.4	1540.8	1545.0
25°	1566.8	1568.8	1583.4	1606.2	1628.0	1645.6	1638.4	1612.4	1586.5	1567.8	1573.0
27.5°	1623.8	1629.0	1641.5	1665.3	1684.0	1693.4	1692.3	1674.7	1648.7	1632.1	1636.3
30°	1692.3	1697.5	1714.1	1741.1	1759.8	1770.1	1767.0	1753.5	1729.7	1706.8	1711.0
32.5°	1772.2	1774.3	1794.0	1824.1	1843.8	1859.4	1849.0	1834.5	1804.4	1777.4	1779.5
35°	1873.9	1877.0	1897.8	1925.8	1941.3	1953.8	1951.7	1937.2	1905.0	1876.0	1883.2
37.5°	2001.5	2003.6	2022.3	2057.6	2070.0	2079.3	2081.4	2074.2	2041.0	2003.6	2010.9
40°	2160.3	2161.3	2182.1	2213.2	2226.7	2232.9	2233.9	2235.0	2200.7	2172.7	2170.7
42.5°	2345.0	2350.2	2379.2	2409.3	2415.5	2412.4	2422.8	2433.2	2400.0	2361.6	2364.7
45°	2566.0	2569.1	2608.5	2641.7	2630.3	2619.9	2639.6	2660.4	2630.3	2580.5	2566.0
47.5°	2827.5	2833.7	2876.2	2909.4	2890.7	2872.1	2904.2	2926.0	2877.3	2824.3	2810.9
50°	3123.2	3127.3	3187.5	3229.0	3207.2	3173.0	3213.4	3236.3	3170.9	3105.5	3076.5
52.5°	3472.8	3464.5	3544.4	3617.1	3603.6	3559.0	3592.2	3596.3	3498.8	3406.4	3377.4
55°	3899.3	3891.0	3970.9	4050.8	4084.0	4072.6	4057.0	4032.1	3887.9	3789.3	3762.3
57.5°	4396.3	4370.4	4482.4	4590.3	4663.0	4683.7	4617.3	4559.2	4445.1	4323.7	4292.5
60°	4858.0	4857.0	5034.4	5221.2	5420.4	5503.4	5335.3	5177.6	4921.3	4700.3	4655.7
62.5°	4987.7	5009.5	5300.1	5762.8	6254.6	6548.3	6105.2	5583.3	5088.4	4755.3	4696.2
65°	4668.2	4722.1	5135.1	5865.5	6836.7	7554.8	6554.5	5592.7	4902.7	4487.6	4425.4
67.5°	3440.7	3548.6	4095.4	5292.8	6786.9	7813.1	6474.6	5074.9	4258.3	3764.4	3678.3
70°	1697.5	1800.2	2233.9	3482.2	5584.4	6984.1	5602.0	3824.6	2876.2	2401.0	2322.1
72.5°	624.6	666.1	836.3	1490.0	3081.7	5158.9	3830.8	2136.4	1393.5	1109.2	1056.3
75°	306.1	313.4	339.3	500.1	1137.2	2428.0	1800.2	819.7	512.6	446.2	431.6
77.5°	195.1	198.2	210.6	238.6	365.2	764.7	545.8	323.7	251.1	240.7	240.7
80°	108.9	112.1	128.7	148.4	171.2	262.5	196.1	194.0	165.0	144.2	141.1
82.5°	51.9	57.1	82.0	80.9	90.3	131.8	115.2	104.8	105.8	79.9	75.7
85°	23.9	23.9	32.2	38.4	40.5	44.6	52.9	60.2	59.1	40.5	43.6
87.5°	11.4	11.4	11.4	10.4	9.3	8.3	11.4	18.7	27.0	18.7	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)